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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,783	08/06/2003	Hiromichi Matsuda	241299US2	7641
22850	7590	11/02/2004	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			LEE, SUSAN SHUK YIN	
			ART UNIT	PAPER NUMBER
			2852	

DATE MAILED: 11/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/634,783

Applicant(s)

MATSUDA ET AL.

Examiner

Susan S. Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-55 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 49 is/are rejected.
- 7) ☒ Claim(s) 1-48 and 50-55 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 August 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/6/03</u> . | 6) <input checked="" type="checkbox"/> Other: <u>See Continuation Sheet</u> . |

Continuation of Attachment(s) 6). Other: consideration of paper filed 11/6/03.

DETAILED ACTION

Specification

The abstract of the disclosure is objected to because it is a long run on sentence with grammar errors. Correction is required. See MPEP § 608.01(b).

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Drawings

The drawings are objected to because the text in the figures should be machine printed not handwritten. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the

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drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claims 1-48 and 50-55 are objected to because of the following informalities:

As to claim 1, lines 6-9, this paragraph is unclear and is grammatically incorrect.

As to claim 1, lines 10-14, this paragraph is unclear and is grammatically incorrect.

As to claim 1, line 11, what does AC stand for in the claim?

As to claims 3-5, 7, 9, and 11, the method steps with letters identifying the steps are incorrectly labeled because it is not continuous in the alphabet order as each individual claim refers back to claim 1.

As to claim 13, lines 5-13, "control means ... in a circumferential direction" is unclear and is grammatically incorrect.

As to claim 13, line 10, what does "an AC" stand for?

As to claim 25, line 7, "plurality or rotary" is incorrect.

As to claim 25, lines 10-15, this paragraph is unclear and is grammatically incorrect.

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As to claim 25, lines 17-22, this paragraph is unclear and is grammatically incorrect.

As to claim 25, line 19, what does "an AC" stand for?

As to claim 34, line 13, "plurality or rotary" is incorrect.

As to claim 34, lines 16-30, this paragraph is unclear and is grammatically incorrect.

As to claim 34, line 26, what does "an AC" stand for?

As to claim 39, line 19, "plurality or rotary" is incorrect.

As to claim 39, lines 22-36, this paragraph is unclear and is grammatically incorrect.

As to claim 39, line 32, what does "an AC" stand for?

As to claim 39, line 38, "amplitud" is incorrect.

As to claim 44, line 18, "plurality or rotary" is incorrect.

As to claim 44, lines 21-35, this paragraph is unclear and is grammatically incorrect.

As to claim 44, line 31, what does "an AC" stand for?

As to claim 50, lines 5-12, this paragraph is unclear and is grammatically incorrect.

As to claim 50, line 9, what does "an AC" stand for?

As to claim 54, lines 1-2, "the a plurality" is incorrect.

As to claim 55, lines 6-14, this paragraph is unclear and is grammatically incorrect.

As to claim 55, line 10, what does "an AC" stand for?

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 49 is rejected under 35 U.S.C. 102(b) as being anticipated by Tada et al. (5,528,343).

Tada et al. discloses a cartridge detachably mountable onto a main body of an image forming apparatus (note column 6, lines 16-43). The cartridge has an image bearing member 1 that reads on the instant invention's image carrier and a drive motor M that reads on the instant invention's drive control device (note Fig 2) that drives the image carrier 1. In addition, the drive motor M also causes the belt 12' to rotate. The image bearing member or image carrier 1 can also be other photosensitive members such as a photosensitive belt (note column 5, lines 15-19). Note column 4, lines 45-65.

Allowable Subject Matter

Claims 1-48 and 50-55 are allowed over the prior art of record.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Fukuchi et al., Kimura et al., Arimitsu et al., Chadani et al., and Coli et al. disclose art in process cartridge units. Yokota et al. (Japan, 353), Hediger et


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al., Yu, Kryk, and Genovese disclose art in driving systems for an image forming apparatus.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan S. Lee whose telephone number is 571-272-2137. The examiner can normally be reached on Mon. - Fri., 10:30-8:00, Second Monday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Art Grimley can be reached on 571-272-2136 or 571-272-2800 (Ext. 52). The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Susan S. Lee
Primary Examiner
Art Unit 2852

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